

Docket No.: 03-011

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Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		<i>Complete if Known</i>	
		Application Number	10/631,872
		Filing Date	07/31/2003
		First Named Inventor	Lucien Alfred Couvillon, Jr.
		Group Art Unit	3737
		Examiner Name	Unassigned
Sheet 1 of 4	Attorney Docket Number	03-011	

Examiner Initials*	Cite No. 1	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM- DD-YYYY
		Number	Class/Subclass		
<i>AL</i>	1.	6,457,365 B1	73/626	Stephens et al.	10/01/2002
	2.	5,651,366	128/662.06	Liang et al.	07/29/1997
	3.	5,268,082	204/282	Oguro et al.	12/07/1993
	4.	5,000,185	128/662.03	Yock	03/19/1991
	5.	6,249,076 B1	310/363	Madden et al.	06/19/2001
	6.	6,109,852	414/1	Shahinpoor et al.	08/29/2000
	7.	5,556,700	428/332	Kaneto et al.	09/17/1996
	8.	5,250,167	204/299	Adolf et al.	10/05/1993
	9.	6,586,859 B2	310/309	Kornbluh et al.	07/01/2003
	10.	6,583,533 B2	310/309	Pelrine et al.	06/24/2003
	11.	6,545,384 B1	310/309	Pelrine et al.	04/08/2003
	12.	5,682,897	128/662.06	Pomeranz	11/04/1997
	13.	5,771,902	128/897	Lee et al.	06/30/1998
	14.	5,855,565	604/104	Bar-Cohen et al.	01/05/1999
	15.	5,865,178	128/660.03	Yock	02/02/1999
	16.	5,897,522	604/20	Nitzan	04/27/1999
	17.	5,938,609	600/439	Pomeranz	08/17/1999
	18.	6,060,811	310/311	Fox et al.	05/09/2000
	19.	6,074,349	600/463	Crowley	06/13/2000
	20.	6,376,971 B1	310/363	Pelrine et al.	04/23/2002
	21.	6,514,237 B1	604/533	Maseda	02/04/2003
	22.	6,543,110 B1	29/25.35	Pelrine et al.	04/08/2003
	23.	5,372,138	128/662.06	Crowley et al.	12/13/1994
<i>✓</i>	24.	US 2002/0120297 A1	607/2	Shaddock	08/29/2002

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		Office 2	Number 4	Class/Subclass		
<i>AL</i>	1.	WO	01/58973 A2	C08G	SRI International	08/16/2001

Examiner Signature	<i>[Signature]</i>	Date Considered	05-12-05
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¹ Unique citation designation number. ² See Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English Language Translation is attached.



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(use as many sheets as necessary)

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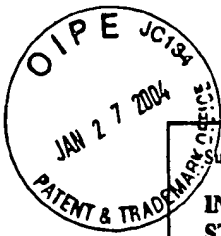
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OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. 1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	1.	Jose-Maria Sansinena et al., <i>Electroactive Polymer (EAP) Actuators as Artificial Muscles</i> , chap. 7, <i>Conductive Polymers</i> (SPIE Press, 2001), pp. 193-221.	
	2.	David L. Brock, "Review of Artificial Muscle based on Contractile Polymers." www.ai.mit.edu/projects/muscle/papers/memo1330/memo1330.html .	
	3.	Edwin H. Jager et al., "Microfabricating Conjugated Polymer Actuators," <i>Science</i> , Vol. 290, Nov. 24, 2000, pp. 1540-1545.	
	4.	Yoseph Bar-Cohen, "Transition of EAP material from novelty to practical applications - are we there yet?" <i>Smart Structures and Materials 2001: Electroactive Polymer Actuators and Devices</i> , Yoseph Bar-Cohen, ed., Proceedings of SPIE, Vol. 4329, 1-6.	
	5.	American Medical Systems. Important Information for Patients Considering an Acticon Neosphincter. www.fda.gov/oc/irms/dockets/ac/01/briefing/377b1_02_patient%20info .	
	6.	Yoseph Bar-Cohen, Chap. 1, EAP History, Current Status, and Infrastructure, <i>EAP Actuators as Artificial Muscles</i> (SPIE Press, 2001), pp. 3-44.	
	7.	Yoseph Bar-Cohen, ed., <i>Electroactive Polymer (EAP) Actuators as Artificial Muscles: Reality, Potential, and Challenges</i> , chap. 16: Application of Dielectric Elastomer EAP Actuators. SPIE Press (2001), pp. 457-495.	
	8.	Yoseph Bar-Cohen, ed., <i>Electroactive Polymer (EAP) Actuators as Artificial Muscles: Reality, Potential, and Challenges</i> , Chap. 21: EAP Applications, Potential, and Challenges. SPIE Press (2001), pp. 615-659.	
	9.	WorldWide ElectroActive Polymers (Artificial Muscles) Newsletter, Vol. 3, No. 1 (June 2001), pp. 1-14	

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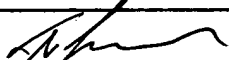
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OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	10.	John D.W. Madden et al., "Polypyrrole Actuators: Modeling and Performance," <i>Smart Structures and Materials 2001: Electroactive Polymer Actuators and Devices</i> , Yoseph Bar-Cohen, ed., SPIE Proceedings, Vol. 4329 (March 5-8, 2001), pp. 72-83.	
	11.	Ron Pelrine, "Applications of Dielectric Elastomer Actuators," <i>Smart Structures and Materials 2001: Electroactive Polymer Actuators and Devices</i> , Yoseph Bar-Cohen, ed., SPIE Proceedings Vol. 4329 (March 5-8, 2001), pp. 335-349.	
	12.	John D.W. Madden et al., "Conducting Polymer Actuators as Engineering Materials," <i>Smart Structures and Materials 2002: Electroactive Polymer Actuators and Devices</i> , Yoseph Bar-Cohen, ed, SPIE Proceedings, Vol. 4695 (2002), pp. 176-190.	
	13.	Eniko T. Enikov et al., "Electrotransport and Deformation Model of Ion Exchange Membrane based Actuators," <i>Smart Structures and Materials 2000: Electroactive Polymer Actuators and Devices</i> , Yoseph Bar-Cohen, ed, SPIE Proceedings, Vol. 3987 (2000), pp.129-139.	
	14.	Rainer W. Gulch et al., "Electrochemical Stimulation and Control of Electroactive Polymer Gels," <i>Smart Structures and Materials 2001: Electroactive Polymer Actuators and Devices</i> , Yoseph Bar-Cohen, ed, SPIE Proceedings, Vol. 4329 (2001), pp. 328-334.	
	15.	T. Hagiwara et al., "Enhancement of the Electrical Conductivity of Polypyrrole Film by Stretching: Influence of the Polymerization Conditions," <i>Synthetic Metals</i> , vol. 36 (1990) pp. 241-252.	

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	1.	YAMAURA, M., et al., "Enhancement of Electrical Conductivity of Polypyrrole Film By Stretching: Counter Ion Effect," <i>Synthetic Metals</i> , vol. 26 (1988) pp. 209-224.	

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		Office ³	Number ⁴	Class/Subclass			
	1.	EP	0 139 574	A61B 8/12	Bruno Denis Lucien Tramery, Leandre Pourcelot	05/02/1985	

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